



Technical Datasheet  
Heavy Duty Polyurethane Flooring

# PUMADUR R.T.

## DESCRIPTION

Pumadur R.T. is a Heavy duty 3 component Hygienic polyurethane based floor system designed to provide excellent resistance to abrasion, chemical attack and other physical aggression.

## COMPOSITION

Water dispersed polyurethane resin system combined with graded silica aggregates. Camden & Chorleywood approved as non taint or water absorbing. Does not support bacterial growth.

## APPEARANCE

A level mottled aggregate surface with chosen background colour providing a slip resistant texture.

## DURABILITY

Highest order of durability, resistance to abrasion impact and chemical attack. Stable to steam cleaning at 9mm.

## THICKNESS

Typical 9mm or 6mm

## TYPICAL INSTALLATIONS

Heavy duty situations to contact:-  
Chemical processing

Food processing

Brewing

Heavy duty traffic and plant vehicles

Engineering process areas

## SUBSTRATES

Concrete, polymer reinforced screeds, grano concrete.

## SURFACE PREPARATION

To be assured of maximum adhesion and properties from Resdev resin products the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation".

In order to ensure the finished system remains fully bonded to the subfloor, it is recommended that the edges of the floor area adjoining the walls are rebated to produce a cross-section of 20mm deep by 8mm wide, running at 150mm from and parallel with the walls.

## APPLICATION CONDITIONS

10 -30° C Maximum moisture content of substrate 5%. However Pumadur RT can be installed on recently installed concrete that has achieved its compressive strength requirements and is a minimum of 7 days old (Assuming the presence of an effective D.P.M.). In this instance thorough mechanical preparation will be required and then Pumadur RT can be installed direct to the substrate without the need for specialist primers.

## PRIMING

Priming of all surfaces should be undertaken with Pumaprime S.F. Please refer to technical data sheet. This primer should be allowed to cure for a minimum of 16 hours prior to application of the Pumadur R.T. system. (Maximum overcoating time at 20° C – 48 hours).

## MIXING

Pumadur R.T is a three-component product. Pre-mixing of the coloured liquid resin component is recommended to ensure any light settlement is reincorporated. Thoroughly drain the contents of the brown hardener component into the liquid colour Component and mix for a minimum of 1 minute or until a homogeneous mix is obtained. The resultant resin blend should then be loaded into a rotary drum mixer eg. Creatangle, Pennine or danes or any other reputable forced action mixer. The aggregate component can then be added in stages, mixing until a lump-free, smooth mix is obtained. Apply to pre-primed areas and level with a pin rake as necessary and lightly touch up with a steel float.

## COVERAGE RATES

18kg/m<sup>2</sup> at 9mm or 12kg/m<sup>2</sup> at 6mm.

## SPECIFICATION DETAIL

Pumaprime S.F. at approx. 100-175g/m<sup>2</sup>.

Pumadur R.T. at coverage rates above.

## MAINTENANCE

Regular cleaning of the applied system is recommended in order to maintain slip resistant properties and cosmetics.

Normal proprietary cleaning agents in combination with pressure washing may be employed.

## CURE SCHEDULE

Usable Life of full unit/mix at 20° C	-	15 mins
Initial film gel time (joining up) at 20° C/9mm build	-	20 mins
Cure time to light traffic at 20° C/9mm	-	4-6 hours
Cure time to light wheeled traffic at 20° C/9mm	-	12-16 hours
Cure time to heavy duty traffic at 20° C/9mm	-	24 hours
Full cure at 20° C/9mm	-	3-5 days

## COLOURS AVAILABLE

All standard Resdev colours except white, cream and magnolia.

## TECHNICAL DATA

Compressive strength to BS6319 Part 2 (N/mm <sup>2</sup> )	-	59.0
Abrasion resistance by Taber mg loss/1000 cycles/ 1kg load with H18 wheel	-	1100
TRRL slip resistance	-	60 Wet
	-	80 Dry
Surface spread of flame to BS 476 Part 7	-	Class 2

## HEALTH AND SAFETY

Please read specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

## STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet.

## TECHNICAL ADVICE

For further information on this or any other Resdev product, please contact our Customer Care Department on 01422 379131.